

What is claimed is:

1. An echo canceller for eliminating echoes produced through an echo path formed between a loudspeaker used to convert receiving signals into voices to be emitted and a microphone used to convert voice inputs into sending signals, said echo canceller comprising:

an adaptive digital filter designed to be activated imitating transmission characteristics of said echo path and to generate pseudo echo signals using part of said receiving signals and to output them,

an attenuator used to attenuate said sending signals containing echo noises fed by the microphone to which said echoes have been inputted so that the amplitude level of said echo noises is matched to that of said pseudo echo signals and,

a subtracter used to subtract said pseudo echo signals from said sending signals containing the attenuated echo noises.

2. An echo canceller for eliminating echoes produced through an echo path formed between a loudspeaker used to convert receiving signals into voices to be emitted and a microphone used to convert voice inputs into sending signals, said echo canceller comprising:

an adaptive digital filter designed to be activated imitating transmission characteristics of said echo path and to generate pseudo echo signals using part of said receiving signals and output them,

a subtracter used to subtract said pseudo echo signals from said sending signals containing said echo noises fed by said microphone to which said echoes have been inputted and,

an amplifier used to amplify said pseudo echo signals so that the

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amplitude level of said pseudo echoes is matched to that of said echo noises and to feed them to said subtracter.

3. An echo canceller for eliminating echoes produced through an echo path formed between a loudspeaker used to convert receiving signals into voices to be emitted and a microphone used to convert voice inputs into sending signals, said echo canceller comprising:

an adaptive digital filter designed to be activated imitating transmission characteristics of the echo path and to generate pseudo echo signals using part of said receiving signals and output them,

a subtracter used to subtract said pseudo echo signals from said sending signals containing echo noises fed by the microphone to which said echoes have been inputted and,

an amplifier used to amplify part of said receiving signals so that the amplitude level of said pseudo echoes is matched to that of said echo noises and to feed them to said adaptive digital filter.

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